

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Assignee: International Business Machines Corporation

Title: Dynamic PKI Architecture

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Examiner: Carl G. Colin Group Art Unit: 2136

Docket No.: AUS920000947US1 Customer No. 65362

Austin, Texas
May 27, 2008

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**SUPPLEMENTAL APPEAL BRIEF SUBMISSION UNDER MPEP § 1205.03 TO
PROVIDE SUMMARY OF CLAIMED SUBJECT MATTER**

Dear Sir:

In response to the Notification of Non-Compliant Appeal Brief dated April 24, 2008, Applicants file this Supplemental Appeal Brief Submission pursuant to MPEP § 1205.03 for purposes of providing a summary of the claimed subject matter as required by 37 C.F.R. § 41.37(c)(1)(v). No fee is believed to be due for this filing; however, the Board is authorized to deduct any amounts required for resubmission of this appeal brief and to credit any amounts overpaid to Deposit Account. No. 09-0447.

As a preliminary matter, Applicants respectfully submit that the original Appeal Brief fully meets the requirements of 37 C.F.R. § 41.37(c)(1)(v). In particular, Applicants' original Appeal Brief provided a color-coded graphical comparison of each independent claim to corresponding Figures from the Application. *See*, Appendix C to the Appeal Brief, where the correspondence of claims 1, 13, 24, and 35 was graphically correlated to the example description of Figure 3; and the correspondence of claim 44 was graphically correlated to the example description of Figures 3 and 7. In addition, Applicants provided a concise explanation of the subject matter of each independent claim by referring to paragraphs 20-25, 28-35, 40, 45, 54-121 of U.S. Patent Pub. No. 2002/0120841. If the reason for non-compliance is that "page and line number" are not cited, Applicants have updated the "Summary of Claimed Subject Matter" section to recite page and line number from the original application. In addition and solely for

V. SUMMARY OF CLAIMED SUBJECT MATTER - 37 CFR § 41.37(c)(1)(v)

The subject matter defined in independent claim 1 may be understood with reference to the example embodiments depicted in Replacement Figure 3 which depicts how the beans of the



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by formatting the request for further processing by the PKI system 300. *See*, Application, p. 17, lines 15-22 (“FIG. 3 is a functional block diagram of how the beans of the invention may be implemented in the handling of a PKI request for a certificate authority. A request reaches the PKI system 300 through a connection to a network 310. A Certificate Management Protocol (CMP) server bean 320 receives a CMP request from the network 310. The CMP formatter bean formats the CMP request into a specific request to be sent to the remainder of the system 300.”)

To comply with 37 CFR § 41.37(c)(1)(v), a color-coded comparison of independent claim 1 (with reference numerals) and Figure 3 is set forth below:

1. An apparatus for implementing a request regarding a digital certificate in a distributed processing system, the apparatus comprising:

a request implementation software (300) that implements a response to the request regarding the digital certificate in response to a propagated event object;

at least one reception bean (e.g., 320), communicatively coupled to the request implementation software and the distributed processing system, that generates an event object in response to receiving the request to generate a digital certificate from the distributed processing system; and

the request implementation software instantiated in a real time executable object-oriented language.

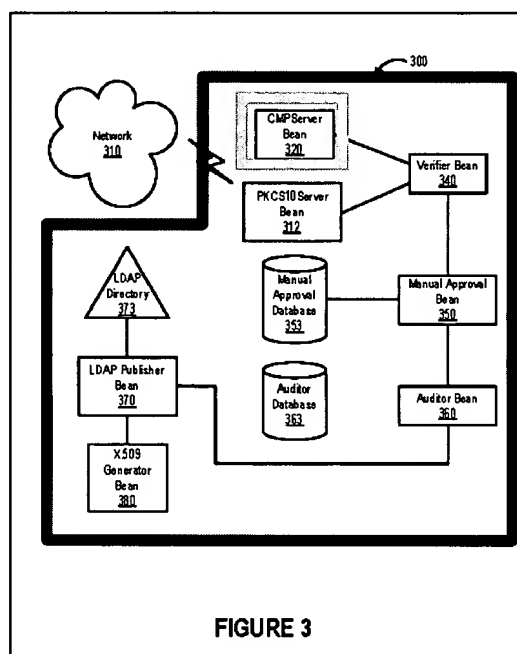


FIGURE 3

In further compliance with 37 CFR § 41.37(c)(1)(v), a color-coded comparison of selected Figures from the application and each of the pending independent claims is attached at Appendix “C” to provide a concise explanation of the subject matter defined in each independent claim. As will be appreciated, the color-coded comparison is provided to summarize the claimed subject matter by explaining how the claim language reads onto or overlaps with the exemplary disclosure from the application and drawings, and is not being provided to specifically define or limit the claim terminology to the specific example depicted. The subject matter of the independent claims is set forth in the claims (page 34, line 1 to page 40, line 31), as well as in the specification at page 5, line 1 to page 6, line 11; page 7, line 6 to page 8, line 11; page 9, lines 7-

13; page 10, lines 15-24; and page 14, line 24 to page 33, line 17, though additional contextual description is provided in the application. For example, the subject matter of claim 1 maps to Figure 3 and to the specification at page 17, line 15 to page 22, line 3; the subject matter of claim 13 maps to Figure 3 and to the specification at page 17, line 15 to page 22, line 3; the subject matter of claim 24 maps to Figure 3 and to the specification at page 17, line 15 to page 22, line 3 and page 33, lines 1-10; the subject matter of claim 35 maps to Figure 3 and to the specification at page 17, line 15 to page 22, line 3; and the subject matter of claim 44 maps to Figure 3 and to the specification at page 17, line 15 to page 22, line 3 and at page 28, line 15 to page 32, line 26. While Applicants have identified passages from the specification to explain the independent claim subject matter and how it may be implemented with a computer program product in a data processing system, it will be appreciated that the referenced description includes contextual information to provide an overall context for an example embodiments, and therefore should not be used to improperly read limitations from the specification into the claims.

XI. CONCLUSION

In view of the above supplemental description providing a summary of the claimed subject matter, Applicant requests that the Notification of Non-Compliant Appeal Brief be withdrawn and that the pending rejections of the claims should not be sustained.

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Respectfully submitted,

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1. An apparatus for implementing a request regarding a digital certificate in a distributed processing system, the apparatus comprising:
 - a request implementation software (300) that implements a response to the request regarding the digital certificate in response to a propagated event object;
 - at least one reception bean (e.g., 320), communicatively coupled to the request implementation software and the distributed processing system, that generates an event object in response to receiving the request to generate a digital certificate from the distributed processing system; and
 - the request implementation software instantiated in a real time executable object-oriented language.

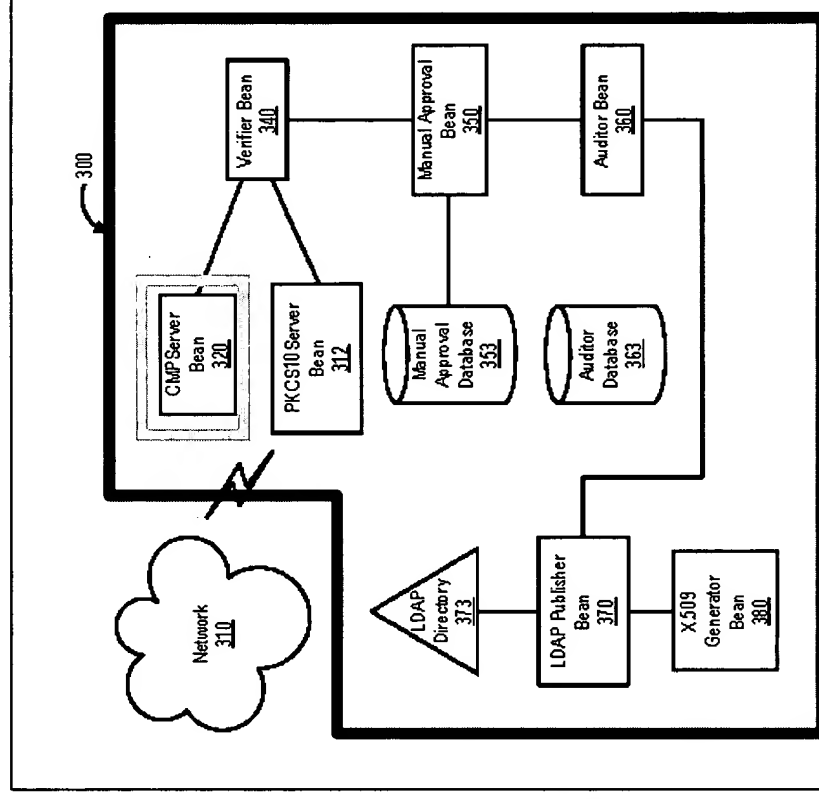


FIGURE 3

13. A method for implementing a request regarding a digital certificate in a distributed processing system, the method comprising:

- receiving the request to generate the digital certificate from the distributed processing system in an at least one reception bean;**
- generating a reception event object in response to step of receiving;**
- propagating the reception event object; selectively implementing a response to the request regarding the digital certificate in response to a propagated event object in a request implementation software;**
- the request implementation software instantiated in a real time executable object-oriented language.**

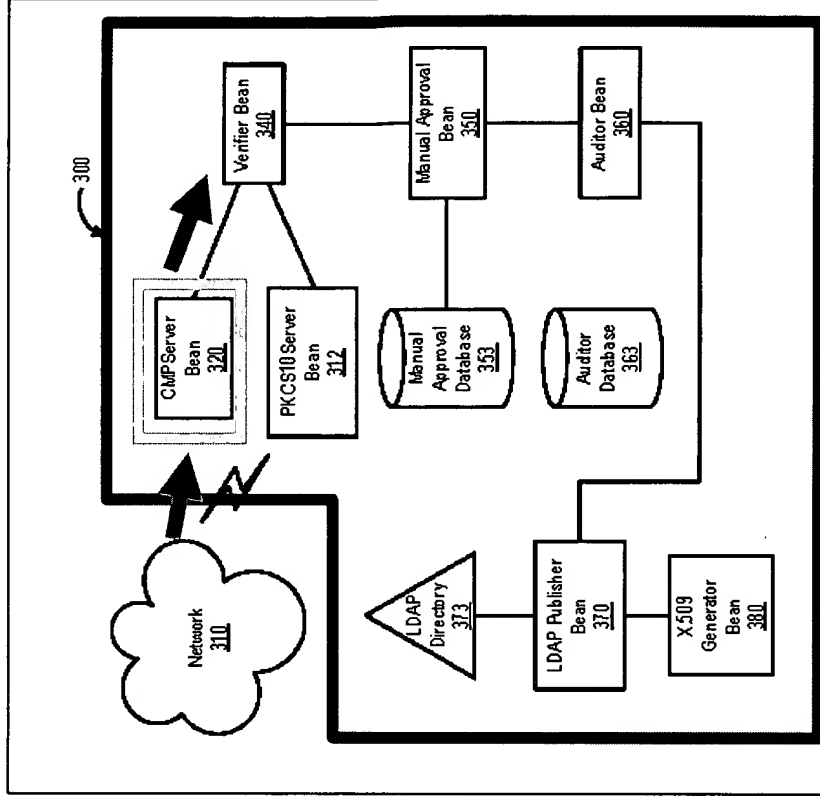


FIGURE 3

24. A computer program product on a computer usable medium, the computer usable medium having a computer usable program embodied therein for implementing a request regarding a digital certificate on a distributed data processing system, the computer usable program including:

- instructions for receiving the request to regarding the digital certificate from the distributed processing system, the instructions for receiving instantiated in an at least one reception bean;
- instructions for generating a reception event object in response to the instructions for receiving;
- instructions for propagating the reception event object;

- instructions for selectively implementing a response to the request regarding the digital certificate in response to a propagated event object, the instructions for selectively implementing instantiated in a request implementation software; and

- the instructions for receiving the request instantiated in a real time executable object-oriented language.

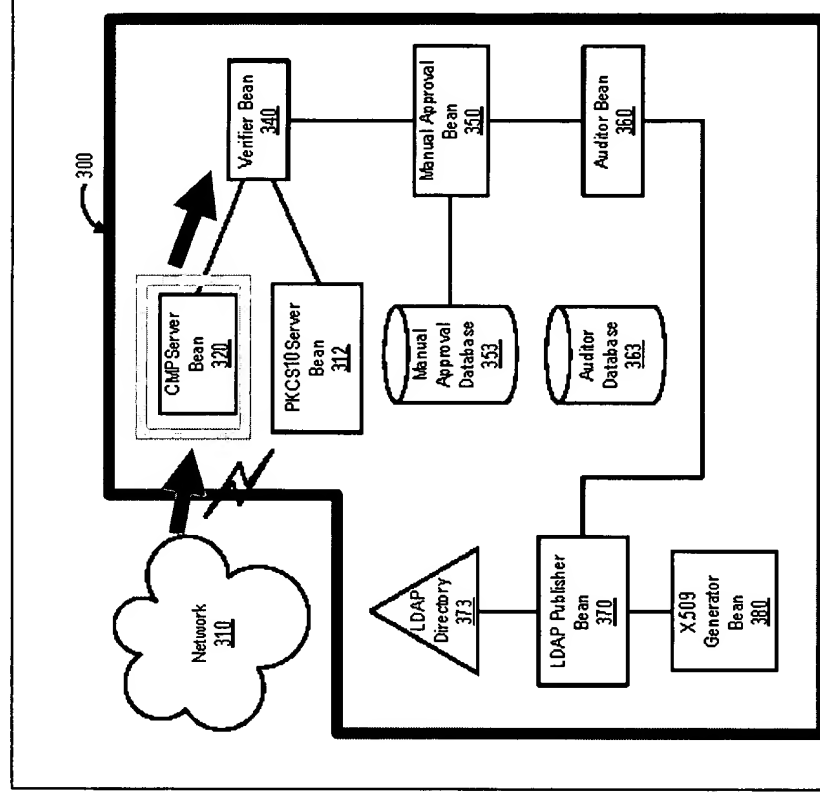


FIGURE 3

35. An apparatus for implementing a public key infrastructure in a distributed processing system, the apparatus comprising:

a plurality of beans, the beans communicatively coupled to one another and responsive to events generated by the plurality of beans; and

at least one of the plurality of beans comprising a pipe bean that propagates an event to another of the plurality of beans.

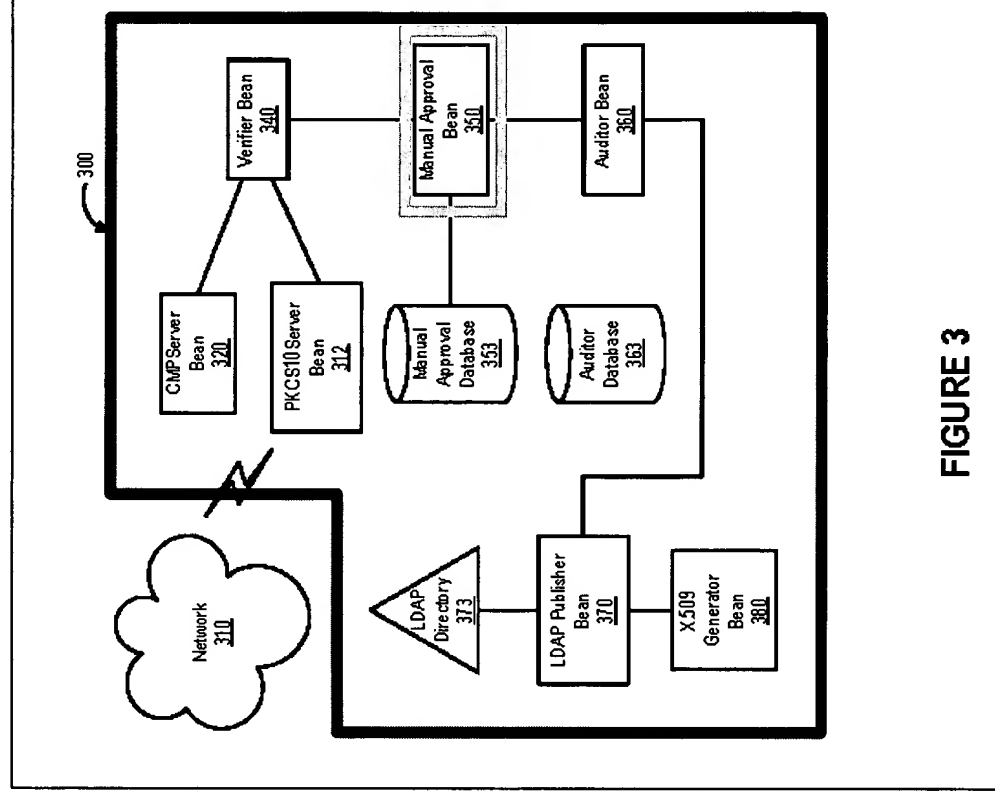


FIGURE 3

44. An apparatus for implementing a public key infrastructure in a distributed processing system, the apparatus comprising:
a plurality of beans, the beans communicatively coupled to one another and responsive to events generated by the plurality of beans;
and
the respective events generated by the plurality of beans subclassing from a base class event.

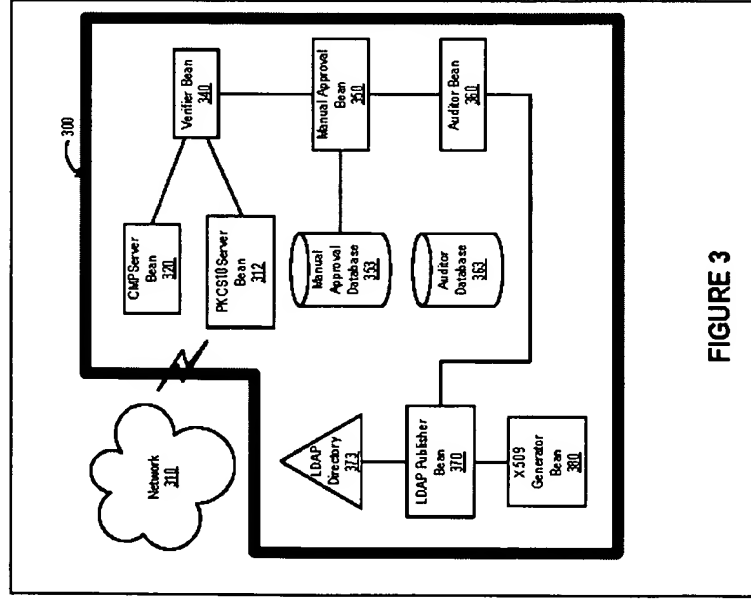


FIGURE 3

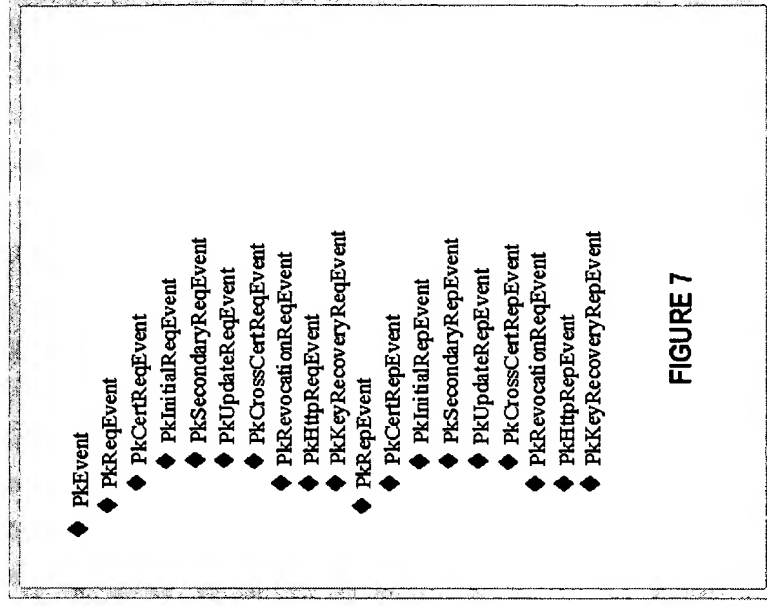


FIGURE 7